

WASHINGTON

Science and Engineering Profile

	WA	U.S.	Rank		WA	U.S.	Rank
Doctoral scientists, 1995	10,899	453,928	15	Total R&D performance, 1995 (millions)	\$5,241	\$177,210	11
Doctoral engineers, 1995	1,935	86,738	14	Industry R&D, 1995 (millions)	\$4,294	\$130,332	9
S&E doctorates awarded, 1996	454	27,230	21	Academic R&D, 1995 (millions)	\$486	\$21,606	13
of which, in life sciences	27%	25%		of which, in life sciences	64%	55%	
in engineering	23%	23%		in environmental sciences	11%	6%	
in social sciences	16%	15%		in engineering	9%	16%	
S&E postdoctorates, 1995	1,010	35,379	12	Higher education current-fund expenditures, 1995 (millions)	\$3,321	\$182,602	20
in doctorate-granting institutions							
S&E graduate students, 1995	6,051	436,328	24	Number of SBIR awards, 1990-1996	571	26,399	12
in doctorate-granting institutions				Patents issued to state residents, 1996	1,142	61,099	17
Population, 1996 (000s)	5,533	269,067	15	Gross state product, 1994 (billions)	\$143.9	\$6,876.0	14
Civilian labor force, 1996 (000s)	2,887	135,528	17	of which, agriculture	3%	2%	
Personal income per capita, 1996	\$24,838	\$24,231	16	manufacturing, mining, construction	19%	23%	
Federal spending				transportation, communication, utilities	8%	9%	
Total expenditures, 1996 (millions)	\$29,246	\$1,368,858	16	wholesale and retail trade	18%	16%	
R&D obligations, 1995 (millions)	\$1,128	\$67,080	16	finance, insurance, real estate	18%	19%	
				services	19%	20%	
				government	15%	13%	

Rankings and totals are based on data for the 50 states, D.C., and Puerto Rico.

Data on S&E postdoctorates and S&E graduate students include health fields.

Federal Obligations for Research and Development in Washington by Agency and Performer: Fiscal Year 1995

[Thousands of Dollars]

	Total	Federal intramural	All FFRDCs	Industrial firms	Universities & colleges	Other nonprofits	State & local government	State rank
Total, all agencies	1,127,750	159,837	204,972	329,654	330,375	95,900	7,012	16
Department of Agriculture	36,622	21,057	0	0	15,386	0	179	11
Department of Commerce	58,453	54,119	0	1,975	2,212	0	147	4
Department of Defense	346,330	70,327	2,678	234,334	36,661	2,330	0	20
Department of Energy	231,267	559	194,003	17,787	17,835	103	980	9
Dept. of Health & Human Services	308,384	17	7,088	8,540	198,756	90,090	3,893	9
Department of the Interior	14,880	12,570	0	47	2,263	0	0	7
Department of Transportation	4,378	0	1,203	943	733	118	1,381	26
Environmental Protection Agency	2,145	0	0	52	861	900	332	29
Nat'l Aeronautics & Space Admin.	77,434	1,188	0	64,023	11,897	326	0	12
National Science Foundation	47,857	0	0	1,953	43,771	2,033	100	16
State rank	16	19	7	18	10	8	5	

Federal R&D obligations are as reported by funding agencies.

FFRDC = federally funded research and development center

SBIR = small business innovation research

na = not applicable